

CLAIMS

What is claimed is:

all same

5/1/01

1. A method of treatment of neurologic damage in a mammal, comprising the step of administering therapeutically effective amounts of thrombopoietin to the mammal.

2. The method of claim 1 wherein the step of administering the thrombopoietin comprises orally ingesting the thrombopoietin.

3. The method of claim 1 wherein the step of administering the thrombopoietin comprises intravenously injecting said thrombopoietin.

4. The method of claim 1 wherein the step of administering said thrombopoietin comprises intramuscularly injecting said thrombopoietin.

5. The method of claim 1 wherein the step of administering the thrombopoietin comprises intrathecally injecting the thrombopoietin.

6. The method of claim 1 further comprising the step of administering thyroid hormone to the mammal.

7. The method of claim 6 wherein said step of administering the thyroid hormone comprises orally ingesting the thyroid hormone.

8. The method of claim 6 wherein said step of administering the thyroid hormone comprises intravenously injecting the thyroid hormone.

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9. The method of claim 6 wherein the step of administering said thyroid hormone comprises intramuscularly injecting the thyroid hormone.

10. The method of claim 6 wherein the step of administering the thyroid hormone comprises
5 intrathecally injecting the thyroid hormone.

11. The method of claim 6 wherein the step of administering the thyroid hormone comprises administering thyroid hormone extract.

12. The method of claim 6 wherein the step of administering the thyroid hormone comprises
10 administering synthetic thyroid hormone.

13. The method of claim 1 further including the step of stimulating human thyroid production
by administering thyrotropin.

14. The method of claim 13 wherein the step of administering the thyrotropin comprises orally
15 ingesting the thyrotropin.

15. The method of claim 13 wherein the step of administering the thyrotropin comprises
20 intravenously injecting the thyrotropin.

16. The method of claim 13 wherein the step of administering the thyrotropin comprises intramuscularly injecting the thyrotropin.

17. The method of claim 13 wherein the step of administering the thyrotropin comprises
25 intrathecally injecting the thyrotropin.

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18. The method of claim 1 wherein the thrombopoietin is selected from the group consisting of a thrombopoietin isolated from a mammal, a thrombopoietin made by recombinant means, and a thrombopoietin made by synthetic means.

5 *but not* 19. The method of claim 1 wherein said thrombopoietin is selected from the group consisting of human thrombopoietin, a fragment of human thrombopoietin, and a variant polypeptide of human thrombopoietin.

10 20. The method of claim 1 wherein the therapeutically effective amount ranges from about 1.0 to about 100 µg/kg body weight per day.

15 21. The method of claim 6 wherein the thyroid hormone is co-administered to the mammal with the thrombopoietin.

22. The method of claim 13 wherein the thyrotropin is co-administered to the mammal with the thrombopoietin.

20 23. A pharmaceutical composition for treatment of neurologic damage in a mammal, comprising thrombopoietin and thyroid hormone.

24. The composition of claim 23, comprising between about 0.07 to about 10 mg of thrombopoietin per dose unit.

25 25. The composition of claim 23 wherein the composition contains between about one and about three times the usual dose for thyroid hormone as for thrombopoietin.

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26. The composition of claim 23 wherein the thrombopoietin is selected from the group consisting of a thrombopoietin isolated from a mammal, a thrombopoietin made by recombinant means, and a thrombopoietin made by synthetic means.

5 27. The composition of claim 23 wherein the thrombopoietin is selected from the group consisting of human thrombopoietin, a fragment of human thrombopoietin, and a variant polypeptide of human thrombopoietin.

10 28. The composition of claim 23 wherein the thyroid hormone is selected from the group consisting of thyroid hormone extract and synthetic thyroid hormone.

15 29. A pharmaceutical composition for treatment of neurologic damage in a mammal, comprising thrombopoietin and thyrotropin.

30 30. The composition of claim 29, comprising between about 0.07 to about 10 mg of thrombopoietin per dose unit.

35 31. The composition of claim 29 wherein the thrombopoietin is selected from the group consisting of a thrombopoietin isolated from a mammal, a thrombopoietin made by recombinant means, and a thrombopoietin made by synthetic means.

40 32. The composition of claim 29 wherein the thrombopoietin is selected from the group consisting of human thrombopoietin, a fragment of human thrombopoietin, and a variant polypeptide of human thrombopoietin.

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